



Load Short Form
Entire House
CAD of Ocala, LLC

Job: Hickory Cove Spec Man...
Date: Apr 07, 2013
By: JAC

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Project Information

For: Hickory Cove Spec Manual J

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	34	93	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	36	18	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	10	50		

HEATING EQUIPMENT

Make Ruud
Trade RUUD 13PJL SERIES
Model 13PJL36
AHRI ref no. 3407796

Efficiency 8.5 HSPF

Heating input
Heating output 34600 Btuh @ 47°F
Temperature rise 27 °F
Actual air flow 1147 cfm
Air flow factor 0.039 cfm/Btuh
Static pressure 0.53 in H2O
Space thermostat

COOLING EQUIPMENT

Make Ruud
Trade RUUD 13PJL SERIES
Cond 13PJL36
Coil RHSL-HM362
AHRI ref no. 3407796

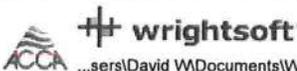
Efficiency 11.0 EER, 13 SEER

Sensible cooling 24080 Btuh
Latent cooling 10320 Btuh
Total cooling 34400 Btuh
Actual air flow 1147 cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0.53 in H2O
Load sensible heat ratio 0.87

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
House	1650	29155	28674	1147	1147
Entire House	1650	29155	28674	1147	1147
Other equip loads		0	0		
Equip. @ 0.98 RSM			28101		
Latent cooling			4305		
TOTALS	1650	29155	32406	1147	1147



Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



FL9457 SM

FL9456 PW

Moss Supply - 1700 Series Product Specification New Construction Single Hung

Design Pressure / Rating	DP35 / H-R35 Tested to AAMA 101 / LS-2-97 up to 3862, Model 1735 DP50 / H-R50 Available up to 3062, Model 1740
Thermal Performance	NPRC Certified units available, performance varies with glass and grid option selected. Standard Model 1735: U-Factor = 0.50, SHGC = 0.59, VT = 0.61, CR = 43 1735 w/ Low-E Glass: U-Factor = 0.36, SHGC = 0.28, VT = 0.51, CR = 53
Colors	White or Beige
Frame Extrusion	100% Virgin PVC compounded with UV Stabilizers and Impact Modifiers to assure weatherability and provide years of maintenance-free performance.
Frame Features	2-3/4" Deep frame, 1-1/4" frame face Continuous 1-1/4" nailing flange with pre-punched fastener holes Fusion welded head with mechanically fastened sloped sill Brick-mold styling on exterior face Built-in 3/4" x 5/8" J-channel siding return Top glass is internally glazed
Reinforcement	Meeting Rail and Sash reinforced to meet design pressure ratings
Sash Extrusion	100% Virgin PVC compounded with UV Stabilizers and Impact Modifiers to assure weatherability
Sash Features	Precision 4-point fusion welded corners Integral lift handle located at the sash top rail Externally glazed
Weather-Stripping	Sash continuously sealed along front and sides with Fin-Seal weather stripping and finished at the bottom with a custom extruded flexible PVC bulb seal for positive sash to sill closure.
Balance System	Reverse Block & Tackle
Sash Lock	Cam Lock with Keeper, dual locks standard over 24" unit width
Screen	26 gauge, 7/16" x 3/4" Roll formed aluminum frame Charcoal fiberglass mesh with extruded PVC spline
Insulated Glass	5/8" Overall Thickness TruSeal Duraseal Spacer System 7/16" Air Space 3MM ÷ 3MM Glass Standard 13/16" Internal Grids Standard, color matched to frame
Glass & Grid Options	LowE Glass LowE Glass with Argon Tempered Units Available Bronze Tinted Units Available 25mm Contoured Grids Available



01/14/10



Zone 3 Supplemental Instructions

Pan Doors: Raised Panel

16'-0" wide

Design pressure: 18.7 pos / 20.8 neg

Test pressure: 28.1 pos / 31.2 neg



 CAUTION	<p>Higher wind pressures and larger doors require additional reinforcement.</p> <p>Premature failure of door system may result from improper application.</p> <p>Use these instructions only for the wind pressures and door sizes as listed above.</p>
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 WARNING	<p>These supplemental instructions do not contain basic door installation steps and related safety information.</p> <p>Failure to follow basic installation steps and related safety information may result in injury or death.</p> <p>Door installers must follow a primary instruction manual for basic door installation steps and related safety information.</p>
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- Garage door reinforcement details include:
- Top fixture type and attachment.
 - Strut attachment.
 - Flag bracket attachment to the wall and track system.
 - Track bracket quantity and placement.
 - End hinge type and attachment.
 - Strut type and placement.

A locking system must be installed if the door is not electrically operated.

Stop molding is required. A minimum 2-1/2" long nail or screw must be used on an 8" spacing.

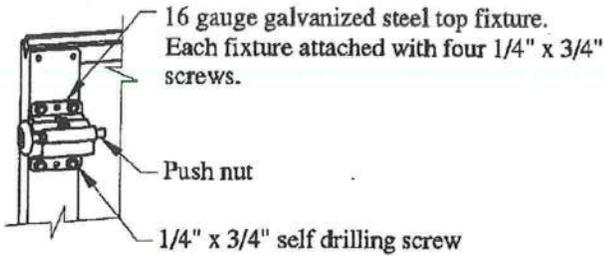
The correct selection of door and framing materials is the responsibility of the building owner/designer following local building code directives. Use of a reinforced garage door does not constitute automatic compliance with any building code. Local building code officials determine compliance criteria.

John E. Scates
 6/12/08
 John E. Scates, P.E.
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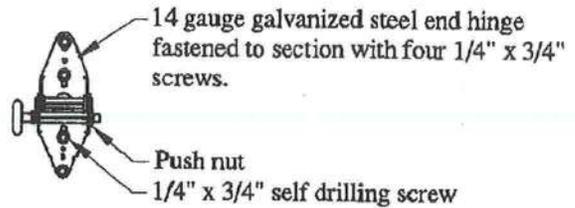
This document includes 4 pages.
 Professional Engineer's seal provided only for verification of windload construction details

Top Fixture Detail

(Strut, if applicable, not shown for clarity.)

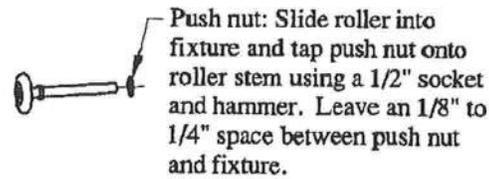


End Hinge Detail

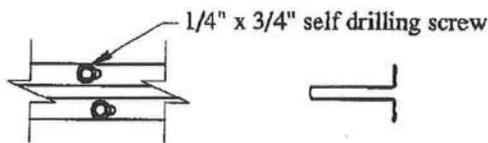


Push Nut Detail (use on all rollers)

use 3/8" I. D. on bottom fixture roller stem
use 7/16" I. D. on end hinge and top fixture roller stems

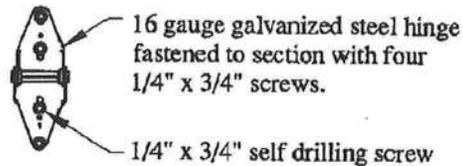


Strut Attachment Detail



17 gauge 50ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws to every stile.

Intermediate Hinge Detail

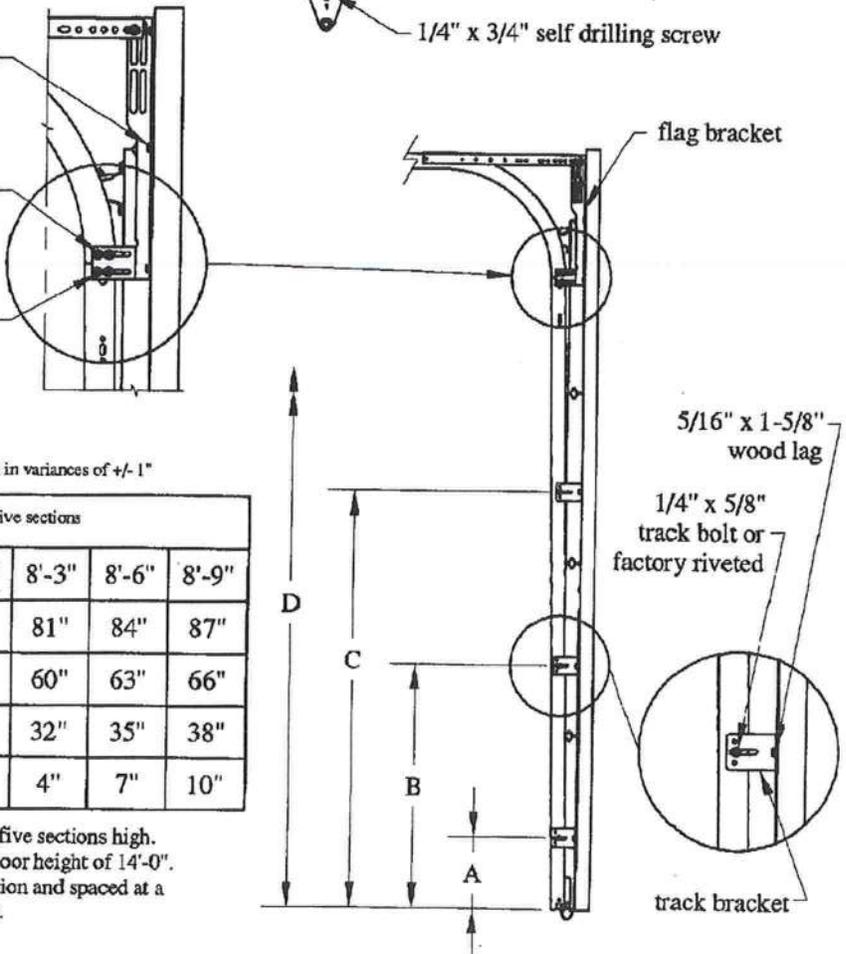


Flag Bracket Detail

Flag bracket attached to wall with three 5/16" x 1-5/8" wood lags.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts or factory riveted.



Track Bracket Locations

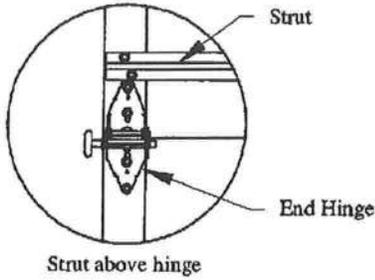
Manufacturing tolerances and actual field conditions may result in variances of +/- 1"

	door height / four sections			door height / five sections					
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
C	60"	63"	66"	58"	55"	58"	60"	63"	66"
B	35"	35"	38"	34"	31"	34"	32"	35"	38"
A	10"	7"	10"	10"	7"	10"	4"	7"	10"

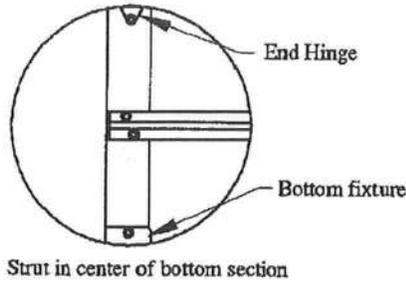
Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

Four Section High Doors 16'-0" wide

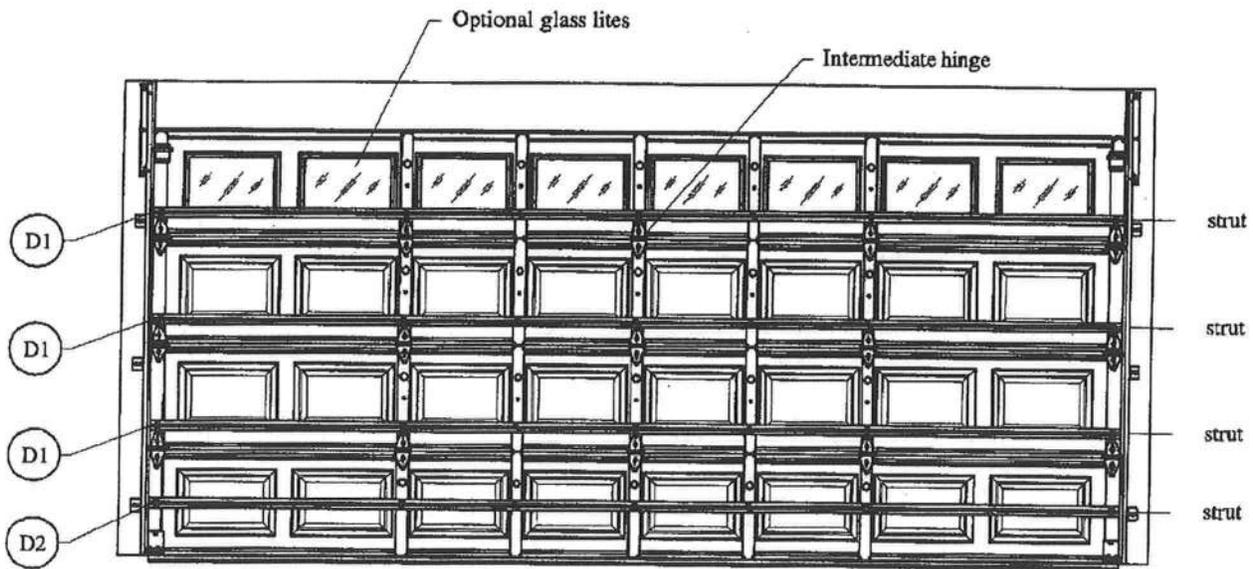
Strut Placement



Detail 1



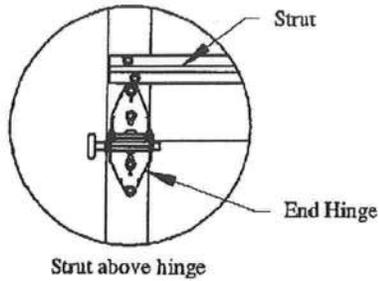
Detail 2



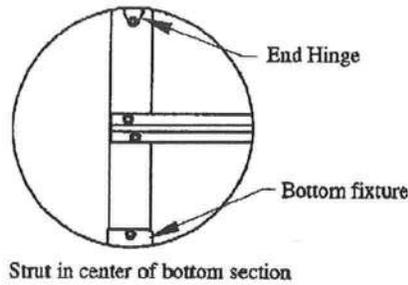
4 struts total

Five Section High Doors 16'-0" wide

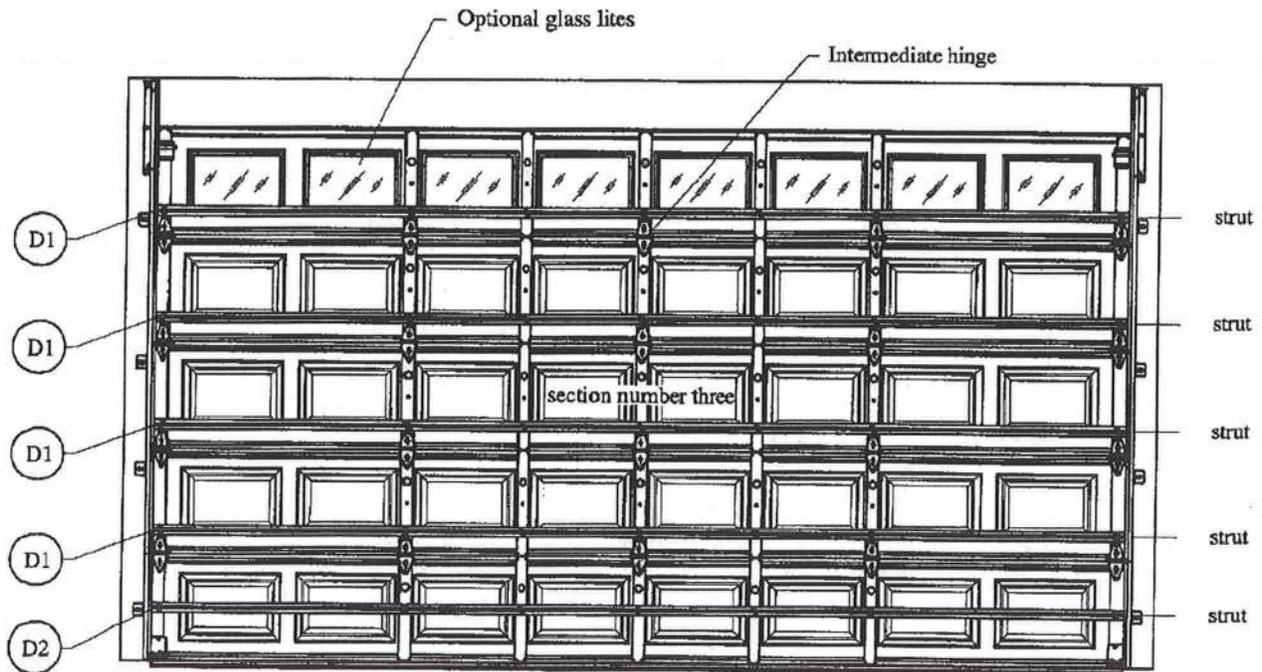
Strut Placement



Detail 1



Detail 2



Additional sections may be added for a maximum door height of 14'-0".
Each additional section must have one strut as shown above in section
number three and be installed above the third section.

5 struts total